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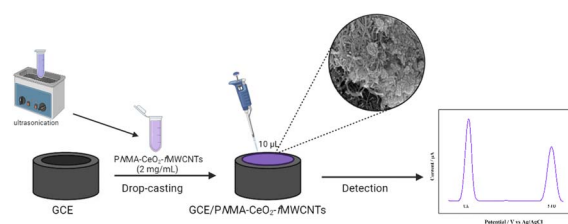
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### Development of a facile electrochemical sensor based on GCE modified with one-step prepared PNMA-CeO<sub>2</sub>-fMWCNTs composite for simultaneous detection of UA and 5-FU

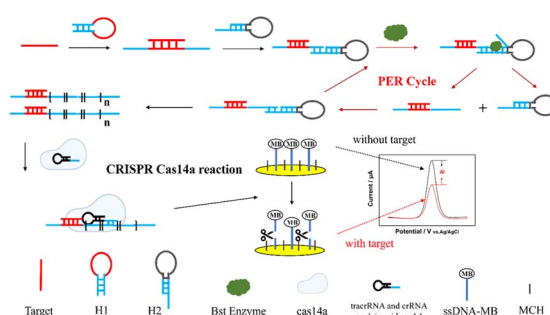
Kübra Turan, Ahmet Üçe, Bülent Zeybek and Gözde Aydoğdu Tiğ\*



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### PER-CRISPR/Cas14a system-based electrochemical biosensor for the detection of ctDNA EGFR L858R

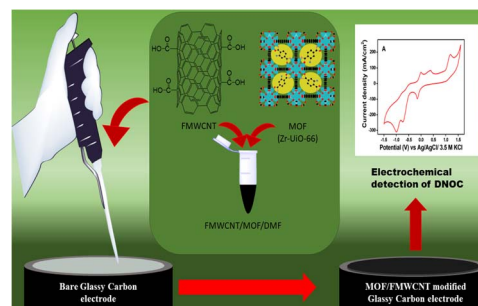
Jing Qi, Qianyi Qi, Zhou Zhou, Yixuan Wu, Aiting Cai, Jinran Wu, Bairong Chen, Qingxiang Wang, Lin Chen\* and Feng Wang\*



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### Sensitive determination of 4,6-dinitro-*o*-cresol based on a glassy carbon electrode modified with Zr-UiO-66 metal-organic framework entrapped FMWCNTs

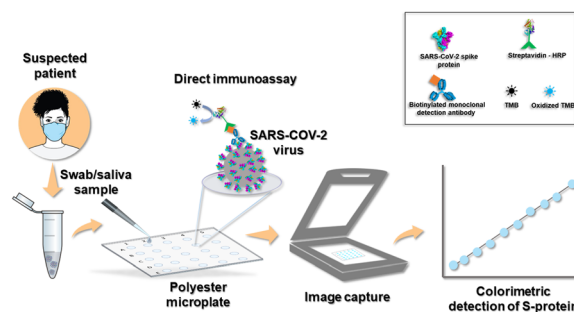
Ranjit Hazarika, Gullit Deffo, Honore Nogholesso Wamba, Nayab Hussain, Shyamali Kalita, Mwina Basumatary, Evangéline Njanja, Soumen Dasgupta and Panchanan Puzari\*



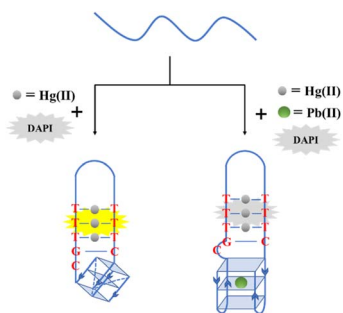
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### Direct immunoassay on a polyester microwell plate for colorimetric detection of the spike protein in swab and saliva samples

Nikaele S. Moreira, Thaisa A. Baldo, Lucas C. Duarte, Leonardo Lopes-Luz, Karoliny A. Oliveira, Paulo F. N. Estrela, Amanda M. Simões, Samira Bühler-Sékula, Gabriela R. M. Duarte and Wendell K. T. Coltro\*



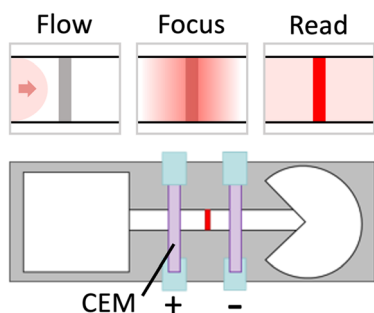
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### Development of a split G-quadruplex and DAPI-based fluorescent probe for Hg(II) and Pb(II) ions detection

Youyang Xu, Yuxin Liu, Xiangxiang Li, Yule Cai, Zihan Gao and Jieqiong Qiu\*

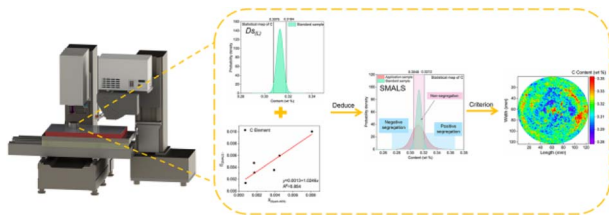
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### Electrokinetic focusing of SARS-CoV-2 spike protein *via* ion concentration polarization in a paper-based lateral flow assay

Kira L. Rahn, Sommer Y. Osman, Quinlan G. Pollak and Robbyn K. Anand\*

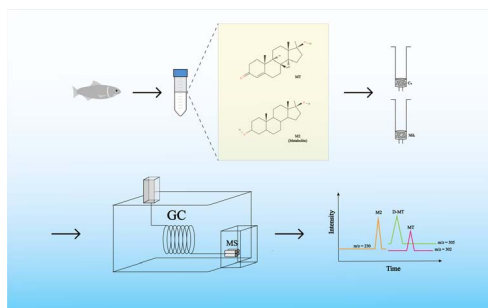
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### Lower limit characterization of segregation degree for large-size low-alloy steel

Xiaofen Zhang, Yunhai Jia,\* Zhigang Yang,\* Liang Sheng, Baibing Li, Yong Lyu, Shanshan Xu, Chunyan Zhang and Zhihao Tang

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### Simultaneous determination of methyltestosterone and its metabolite in fish by gas chromatography-mass spectrometry

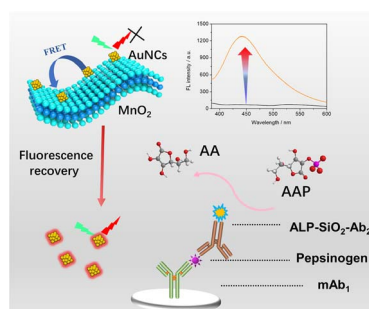
Liufeng Zhang, Juan Sun, Yinmeng Ding, Li Li\* and Jing Liu\*



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## Ultrasensitive fluorescence immunoassay of pepsinogen I based on enzyme-triggered decomposition of AuNCs/MnO<sub>2</sub>

Huanzong Zhang, Binhuang Cai, Fan Cai,\* Mingzhe Lian\* and Yinghui Wang



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## Ternary solvent based homogeneous liquid–liquid microextraction for the preconcentration of organochlorine pesticides from water and apple juice samples

Kero Assefa Ago,\* Shimeles Addisu Kitte, Gadisa Chirfa and Abera Gure

